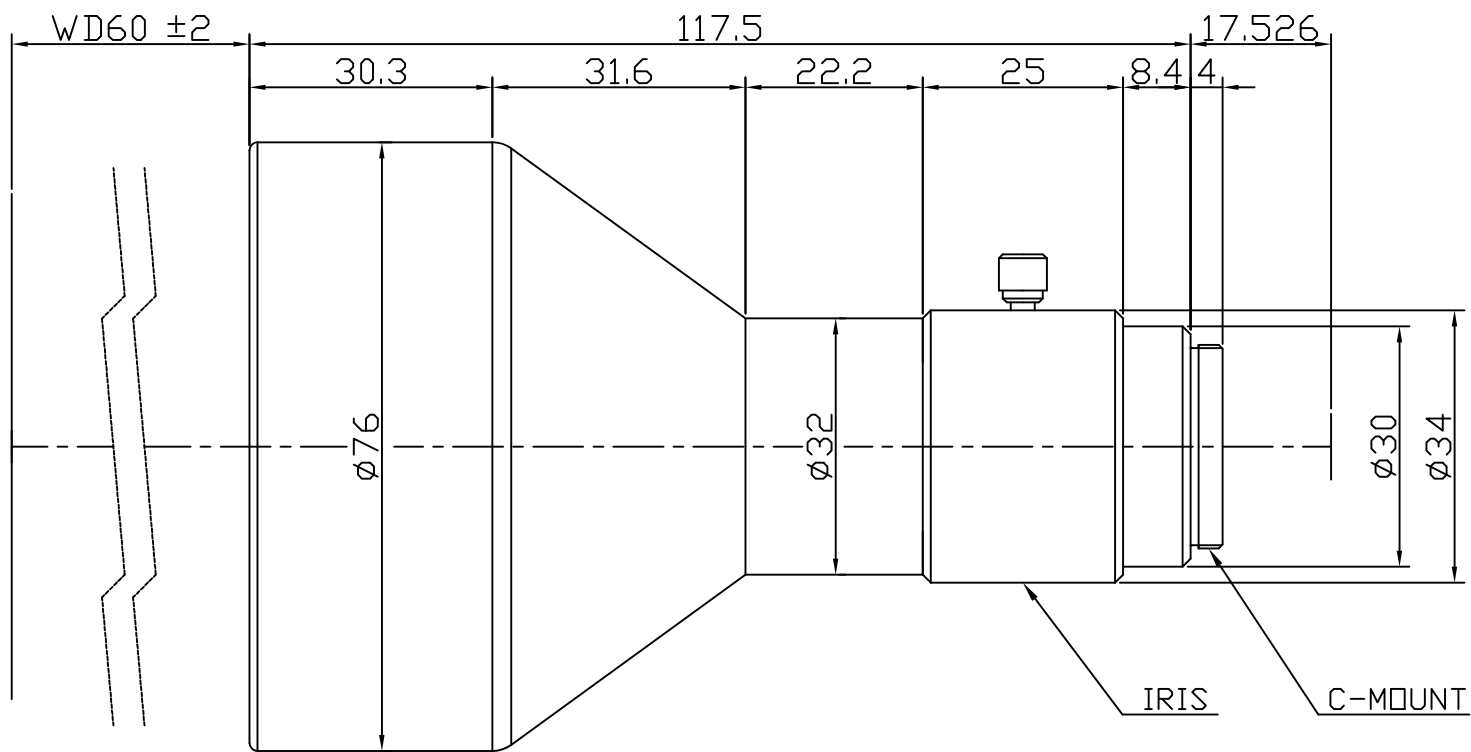




|                                             |         |                      |         |
|---------------------------------------------|---------|----------------------|---------|
| Optical Mgnification                        | 0.13X   | W.D(mm)              | 60      |
| Resolution(um)                              | 39.01   | N.A                  | 0.0086  |
| F/#                                         | 7.5     | D.O.F (COC:40um)     | 35.5mm  |
| Optical Distortion(%)                       | < 0.08% | Telecentricity Angle | < 0.03° |
| F.O.V : 49.23mm X 36.92mm @ 1/2" ccd camera |         |                      |         |

Prohibited modofication discretionally  
Do not serve to a third paty without permission

| UNIT     | MODEL             |                                         |
|----------|-------------------|-----------------------------------------|
| mm       | TCL0.13X-60I-HR-8 |                                         |
| MATERIAL | DWG NO.           | SPO Inc.<br>Standard & Precision Optics |
|          |                   |                                         |